

CLAIMS

What is claimed is:

- 1 1. An apparatus comprising:
- 2 a server to couple to a client device having speech recognition functionality; and
- 3 an acoustic model adaptor locatable at the server to adapt an acoustic model for
- 4 the client device.
- 1 2. The apparatus of claim 1, wherein the client device is a mobile
- 2 computing device.
- 1 3. The apparatus of claim 1, wherein the server is coupled to the client
- 2 device through a network.
- 1 4. The apparatus of claim 1, wherein the client device includes local
- 2 memory to store digitized raw speech data.
- 1 5. The apparatus of claim 1, wherein the client device includes local
- 2 memory to store extracted speech feature data.
- 1 6. The apparatus of claim 1, wherein the acoustic model adaptor of the
- 2 server receives digitized raw speech data when there is a network connection between
- 3 the client device and the server.
- 1 7. The apparatus of claim 1, wherein the acoustic model adaptor of the
- 2 server receives extracted speech feature data when there is a network connection
- 3 between the client device and the server.

1 8. The apparatus of claim 1, wherein the acoustic model adaptor of the
2 server adapts the acoustic model for the client device based upon at least one of
3 digitized raw speech data or extracted speech feature data received from the client
4 device when there is a network connection between the client device and the server.

1 9. The apparatus of claim 8, wherein the server stores the adapted acoustic
2 model.

1 10. The apparatus of claim 8, wherein the client device downloads and
2 stores the adapted acoustic model.

1 11. A method comprising:
2 storing a copy of an acoustic model for a client device having speech
3 recognition functionality;
4 receiving speech data from the client device; and
5 adapting the acoustic model for the client device.

1 12. The method of claim 11, wherein the client device is a mobile
2 computing device.

1 13. The method of claim 11, wherein a server stores the acoustic model for
2 the client device and the client device couples to the server through a network such that
3 the server receives the speech data from the client device.

1 14. The method of claim 11, wherein the client device includes local
2 memory to store digitized raw speech data.

1 15. The method of claim 11, wherein the client device includes local
2 memory to store extracted speech feature data.

1 16. The method of claim 11, wherein the speech data includes digitized raw
2 speech data.

1 17. The method of claim 11, wherein the speech data includes extracted
2 speech feature data.

1 18. The method of claim 11, wherein, adapting the acoustic model for the
2 client device includes adapting the acoustic model based upon at least one of digitized
3 raw speech data or extracted speech feature data received from the client device when
4 there is a network connection between the client device and the server.

1 19. The method of claim 18, further comprising, storing the adapted acoustic
2 model.

1 20. The method of claim 18, wherein the client device downloads and stores
2 the adapted acoustic model.

1 21. A system comprising:
2 a server to couple to a client device having speech recognition functionality, the
3 client device and server being coupled through a network; and
4 an acoustic model adaptor locatable at the server to adapt an acoustic model for
5 the client device.

1 22. The system of claim 21, wherein the client device is a mobile computing
2 device.

1 23. The system of claim 21, wherein the acoustic model adaptor of the
2 server adapts the acoustic model for the client device based upon at least one of
3 digitized raw speech data or extracted speech feature data from the client device when
4 there is a network connection between the client device and the server.

1 24. The system of claim 23, wherein the server stores the adapted acoustic
2 model.

1 25. The system of claim 23, wherein the client device downloads and stores
2 the adapted acoustic model.

1 26. A machine-readable medium having stored thereon instructions, which
2 when executed by a machine, causes the machine to perform the following:

3 storing a copy of an acoustic model for a client device having speech
4 recognition functionality;

5 receiving speech data from the client device; and

6 adapting the acoustic model for the client device.

1 27. The machine-readable medium of claim 26, wherein the client device is
2 a mobile computing device.

1 28. The machine-readable medium of claim 26, wherein a server stores the
2 acoustic model for the client device and the client device couples to the server through
3 a network such that the server receives the speech data from the client device.

1 29. The machine-readable medium of claim 26, wherein the client device
2 includes local memory to store digitized raw speech data.

1 30. The machine-readable medium of claim 26, wherein the client device
2 includes local memory to store extracted speech feature data.

1 31. The machine-readable medium of claim 26, wherein the speech data
2 includes digitized raw speech data.

1 32. The machine-readable medium of claim 26, wherein the speech data
2 includes extracted speech feature data.

1 33. The machine-readable medium of claim 26, wherein, adapting the
2 acoustic model for the client device includes adapting the acoustic model based upon at
3 least one of digitized raw speech data or extracted speech feature data received from the
4 client device when there is a network connection between the client device and the
5 server.

1 34. The machine-readable medium of claim 33, further comprising, storing
2 the adapted acoustic model.

1 35. The machine-readable medium of claim 33, wherein the client device
2 downloads and stores the adapted acoustic model.

1 36. An apparatus comprising:
2 means for storing a copy of an acoustic model for a client device having speech
3 recognition functionality; and
4 means for adapting the acoustic model for the client device based upon speech
5 data received from the client device.

1 37. The apparatus of claim 36, wherein the client device is a mobile
2 computing device.

1 38. The apparatus of claim 36, wherein the means for adapting the acoustic
2 model for the client device includes adapting the acoustic model based upon at least
3 one of digitized raw speech data or extracted speech feature data from the client device.

1 39. The apparatus of claim 38, wherein a server stores the adapted acoustic
2 model.

1 40. The apparatus of claim 38, wherein the client device downloads and
2 stores the adapted acoustic model.